

Datasheet: MCA5552Z

BATCH NUMBER 168280

Description:	MOUSE ANTI HUMAN CD206:Preservative Free
Specificity:	CD206
Other names:	MANNOSE RECEPTOR C TYPE 1
Format:	Preservative Free
Product Type:	Monoclonal Antibody
Clone:	5C11
Isotype:	IgG1
Quantity:	0.1 mg

Product Details

Applications

This product has been reported to work in the following applications. This information is derived from testing within our laboratories, peer-reviewed publications or personal communications from the originators. Please refer to references indicated for further information. For general protocol recommendations, please visit www.bio-rad-antibodies.com/protocols.

	Yes	No	Not Determined	Suggested Dilution
Immunohistology - Paraffin	▪			0.1 - 10 ug/ml

Where this product has not been tested for use in a particular technique this does not necessarily exclude its use in such procedures. Suggested working dilutions are given as a guide only. It is recommended that the user titrates the product for use in their own system using appropriate negative/positive controls.

Target Species	Human
Product Form	Purified IgG - liquid
Preparation	Purified IgG prepared by affinity chromatography on Protein A from ascites
Buffer Solution	Phosphate buffered saline
Preservative Stabilisers	None present
Approx. Protein Concentrations	Ig concentration 0.5 mg/ml
Immunogen	Recombinant protein corresponding to aa 22-131 of human CD206.

**External Database
Links**

UniProt:

[P22897](#) [Related reagents](#)

Entrez Gene:

[4360](#) MRC1 [Related reagents](#)

Synonyms

CLEC13D

RRID

AB_2144908

Fusion Partners

Spleen cells from BALB/c mice were fused with cells from the Sp2/0 myeloma cell line.

Specificity

Mouse anti Human CD206 antibody, clone 5C11 recognizes human macrophage mannose receptor 1, also known as CD206, C-type lectin domain family 13 member D, C-type lectin domain family 13 member D-like, Human mannose receptor, hMR or Macrophage mannose receptor 1-like protein 1. CD206 is a 1438 amino acid ~168-180 kDa single pass type 1 transmembrane glycoprotein and mediator of glycoprotein endocytosis by macrophages. CD206 also acts as a phagocytic receptor for pathogens including bacteria and fungi and acts as a receptor for dengue virus ([Miller *et al.* 2008](#)).

Two isoforms of CD206 produced by alternative splicing have been described. Both isoforms contain the unaltered immunogen sequence used to generate clone 5C11 which is expected therefore to bind both the canonical isoform 1 and the truncated isoform 2 ([UniProt : P22897](#)).

References

1. Komohara, Y. *et al.* (2016) Contribution of Macrophage Polarization to Metabolic Diseases. [J Atheroscler Thromb. 23 \(1\): 10-7.](#)
2. Zúñiga-Castillo, M. *et al.* (2018) High density of M2-macrophages in acral lentiginous melanoma compared to superficial spreading melanoma. [Histopathology. 72 \(7\): 1189-1198.](#)
3. Jäckle, K. *et al.* (2020) Molecular signature of slowly expanding lesions in progressive multiple sclerosis. [Brain. 143 \(7\): 2073-88.](#)

Storage

Store at -20°C only.
Storage in frost-free freezers is not recommended.
This product should be stored undiluted. Avoid repeated freezing and thawing as this may denature the antibody. Should this product contain a precipitate we recommend microcentrifugation before use.

Guarantee

12 months from date of despatch

**Health And Safety
Information**

Material Safety Datasheet documentation #10162 available at:
<https://www.bio-rad-antibodies.com/SDS/MCA5552Z>
10162

Regulatory

For research purposes only

Related Products

Recommended Secondary Antibodies

Rabbit Anti Mouse IgG (STAR12...)	RPE
Goat Anti Mouse IgG IgA IgM (STAR87...)	HRP
Goat Anti Mouse IgG (STAR76...)	RPE
Goat Anti Mouse IgG (STAR70...)	FITC
Goat Anti Mouse IgG (H/L) (STAR117...)	Alk. Phos. , DyLight®488 , DyLight®550 , DyLight®650 , DyLight®680 , DyLight®800 , FITC , HRP
Goat Anti Mouse IgG (STAR77...)	HRP
Rabbit Anti Mouse IgG (STAR9...)	FITC
Goat Anti Mouse IgG (Fc) (STAR120...)	FITC , HRP
Rabbit Anti Mouse IgG (STAR13...)	HRP

Recommended Negative Controls

[MOUSE IgG1 NEGATIVE CONTROL \(MCA928\)](#)

North & South America	Tel: +1 800 265 7376 Fax: +1 919 878 3751 Email: antibody_sales_us@bio-rad.com	Worldwide	Tel: +44 (0)1865 852 700 Fax: +44 (0)1865 852 739 Email: antibody_sales_uk@bio-rad.com	Europe	Tel: +49 (0) 89 8090 95 21 Fax: +49 (0) 89 8090 95 50 Email: antibody_sales_de@bio-rad.com
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To find a batch/lot specific datasheet for this product, please use our online search tool at: bio-rad-antibodies.com/datasheets
'M405965:220916'

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